

Title (en)  
CARRIER WITH LOCKING FEATURES

Title (de)  
TRÄGER MIT SPERRFUNKTION

Title (fr)  
DISPOSITIF DE TRANSPORT DISPOSANT DE FONCTIONS DE VERROUILLAGE

Publication  
**EP 2699486 A4 20141203 (EN)**

Application  
**EP 12774282 A 20120419**

Priority  
• US 201161517479 P 20110420  
• US 2012034197 W 20120419

Abstract (en)  
[origin: US2012267426A1] A carrier for holding a plurality of articles. The carrier comprises a plurality of panels that extend at least partially around an interior of the carton. The plurality of panels comprises a first bottom panel and a second bottom panel. At least one locking feature comprises a female locking feature in the first bottom panel and a male locking feature in the second bottom panel. The female locking feature comprises a locking flap, and the male locking feature comprises a retention feature. At least a portion of the male locking feature engages the female locking feature, and at least a portion of the locking flap at least partially engages the retention feature.

IPC 8 full level  
**B65D 71/12** (2006.01); **B31B 50/50** (2017.01); **B65D 71/18** (2006.01); **B65D 71/20** (2006.01)

CPC (source: EP US)  
**B65D 71/16** (2013.01 - EP US); **B65D 2571/00166** (2013.01 - EP US); **B65D 2571/00172** (2013.01 - EP US);  
**B65D 2571/00302** (2013.01 - EP US); **B65D 2571/0066** (2013.01 - EP US); **B65D 2571/00716** (2013.01 - EP US)

Citation (search report)  
• [XA] WO 2005047134 A1 20050526 - GRAPHIC PACKAGING INT INC [US]  
• [X] EP 0233078 A2 19870819 - FEDERAL PAPER BOARD CO INC [US]  
• [XA] WO 9911538 A1 19990311 - MEAD CORP [US], et al  
• [X] US 6378697 B1 20020430 - SUTHERLAND ROBERT L [US], et al  
• See references of WO 2012145478A2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**US 2012267426 A1 20121025; US 9022277 B2 20150505**; CA 2832075 A1 20121026; CA 2832075 C 20170103; CN 103492281 A 20140101;  
CN 103492281 B 20150909; EP 2699486 A2 20140226; EP 2699486 A4 20141203; EP 2699486 B1 20200219; ES 2788303 T3 20201021;  
JP 2014514991 A 20140626; JP 5864725 B2 20160217; WO 2012145478 A2 20121026; WO 2012145478 A3 20130103

DOCDB simple family (application)  
**US 201213450903 A 20120419**; CA 2832075 A 20120419; CN 201280019014 A 20120419; EP 12774282 A 20120419;  
ES 12774282 T 20120419; JP 2014506539 A 20120419; US 2012034197 W 20120419